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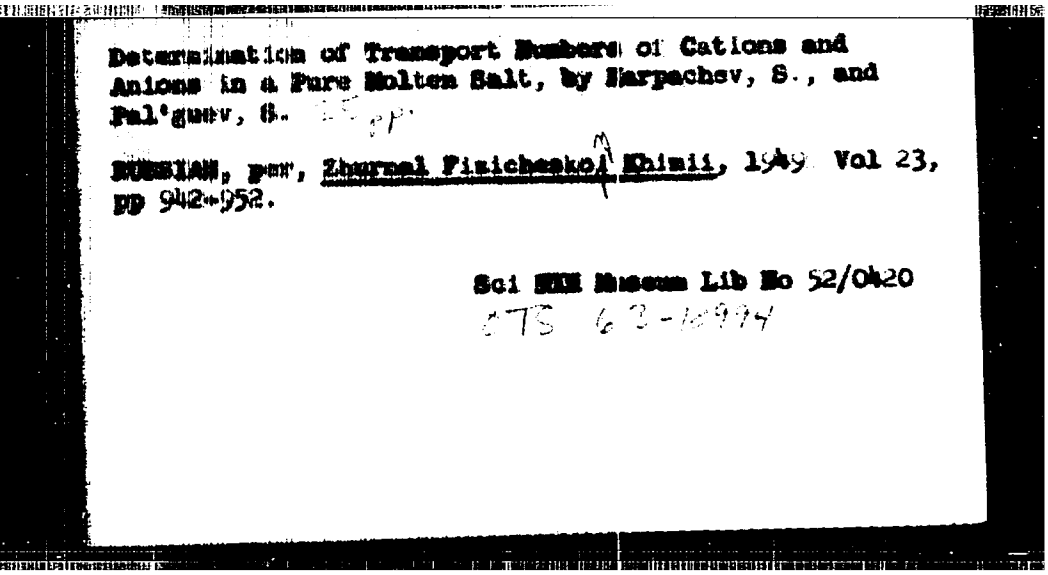

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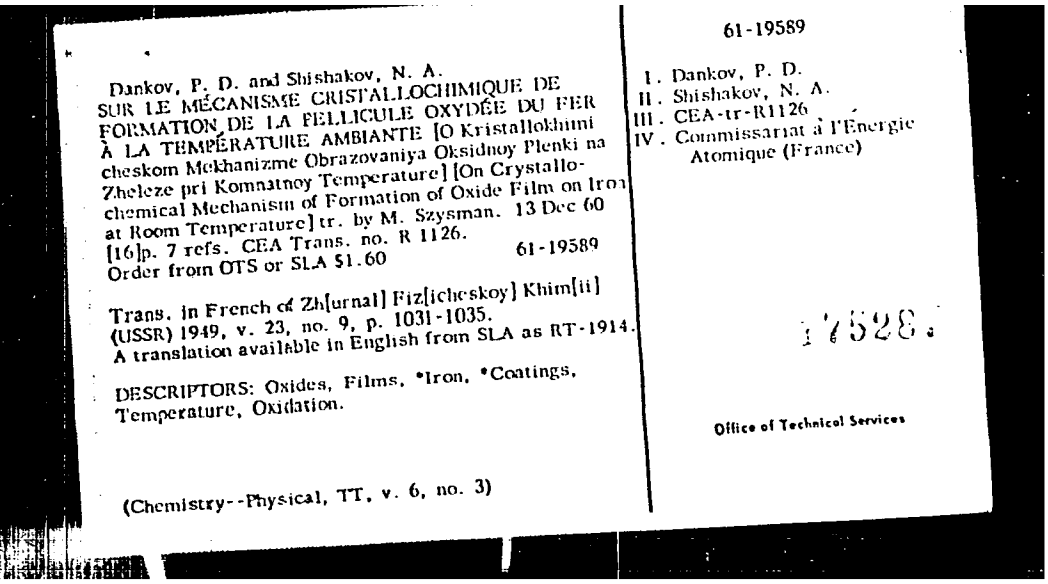

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DESCRIPTORS: Oxides, Films, *Iron, *Coatings, Temperature, Oxidation.

(Chemistry--Physical, TT, v. 6, no. 3)

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DESCRIPTORS: *Iron, *Hydrogen compounds, *Peroxides, Radiation effects, Electrochemistry, Photochemistry.

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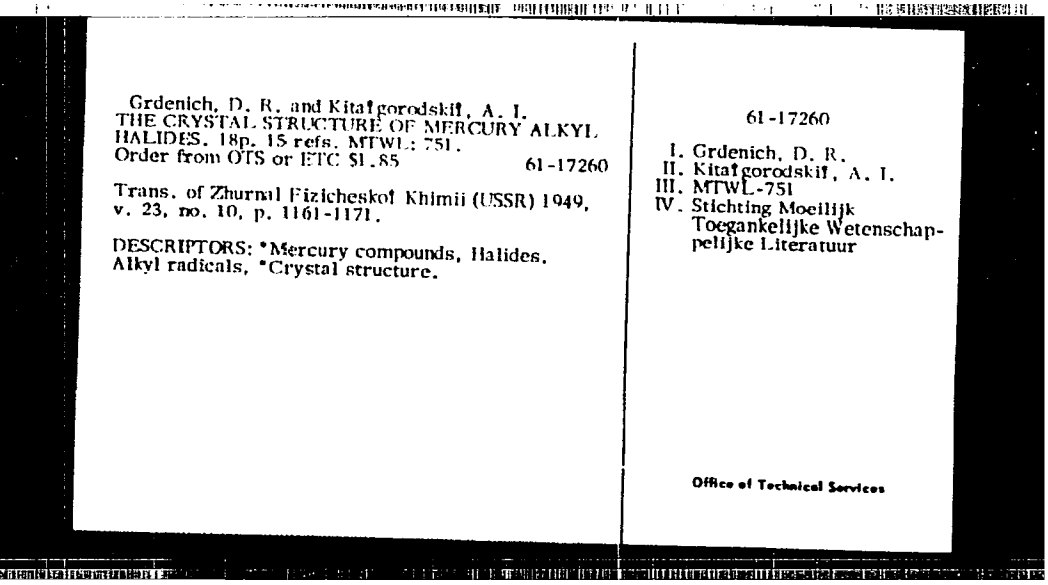

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Order from OTS or ETC $1.85 61-17260

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DESCRIPTORS: *Mercury compounds, Halides, Alkyl radicals, *Crystal structure.

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HEC 24. 301 SR [illegible] U-934
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NLL 5828.4F (11717)

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DESCRIPTORS: *Fused materials, *Magnesium compounds, *Chlorides, *Potassium compounds, *Sodium compounds, Thermodynamics.

K-H- 375 9 b

(Chemistry--Physical, TT, v. 11, no. 3)

TT-63-20437

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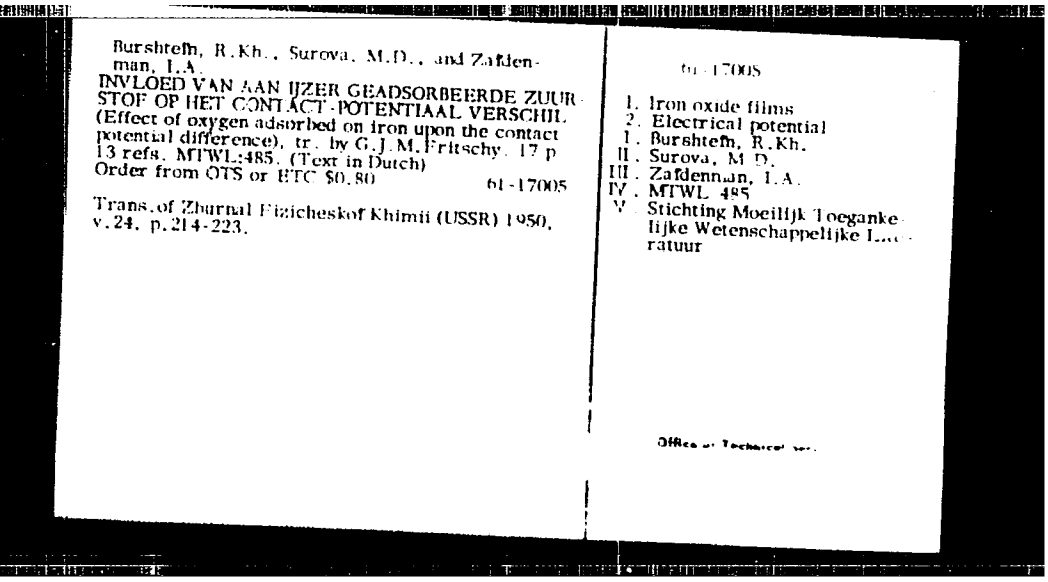

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Jul 53 CTS/DEK 4
Scientific - Minerals/Metals Price $3.60
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Molecular Weights of Polystyrols Obtained Under Pressures Up to 6,000 kg/cm²

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THERMODYNAMIC FUNCTIONS OF DICHLOROBENZENES. [1962] 15p.
Order from ATS $18.95 ATS-04P59R

Trans. of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR) 1950, v. 24, no. 6, p. 670-682.

DESCRIPTORS: *Benzenes, *Chlorides, *Thermodynamics.

(Physics--Thermodynamics, TT, v. 5, no. 4)

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AEC Tr 1165
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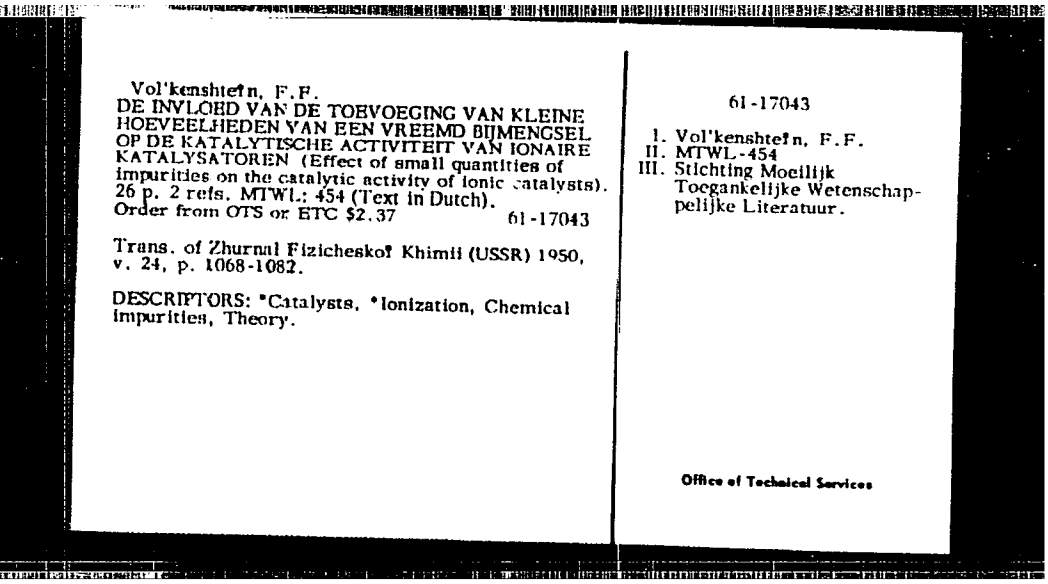

Vol'kenshtefn, F.F.
DE INVLOED VAN DE TOEVOEGING VAN KLEINE HOEVEELHEDEN VAN EEN VREEMD BIJMENGSEL OP DE KATALYTISCHE ACTIVITEIT VAN IONAIRE KATALYSATOREN (Effect of small quantities of impurities on the catalytic activity of ionic catalysts). 26 p. 2 refs. MTWL: 454 (Text in Dutch).
Order from OTS or ETC $2.37 61-17043

Trans. of Zhurnal Fizicheskoĭ Khimii (USSR) 1950, v. 24, p. 1068-1082.

DESCRIPTORS: *Catalysts, *Ionization, Chemical impurities, Theory.

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Order from K-H $7.00 K-H 3980 b

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1950, v. 24, no. 11, p. 1299-1301.

DESCRIPTORS: *Silicates, *Magnesium compounds, Chemical reactions, Phase studies, Solids, Thermodynamics

(Physics--Thermodynamics, TT, v. 11, no. 2)

TT-63-22806

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SLA TT-64-18062

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AEC Tr 1399

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SLA 60-17724

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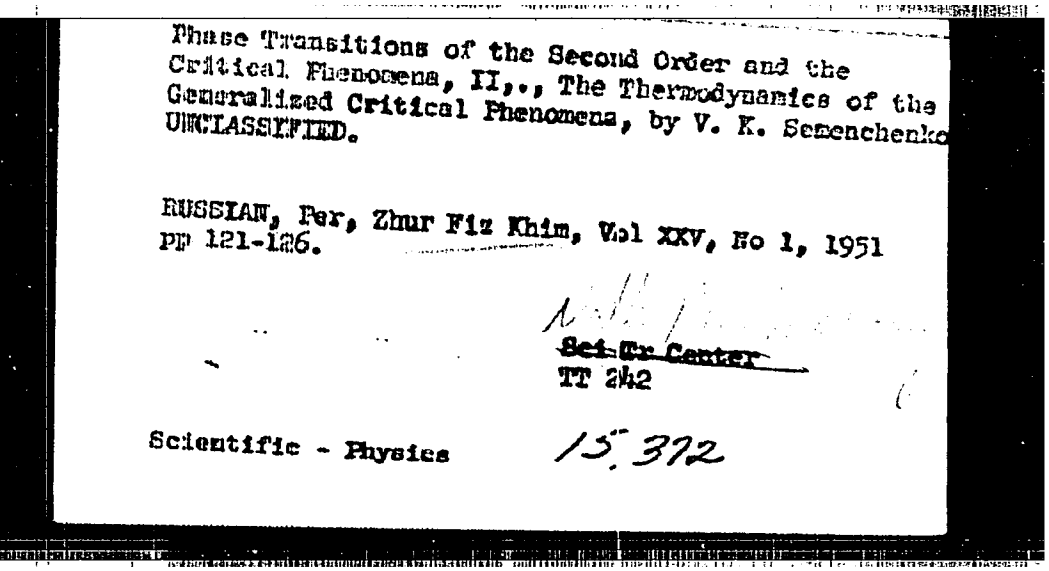

Phase Transitions of the Second Order and the Critical Phenomena, II,., The Thermodynamics of the Generalized Critical Phenomena, by V. K. Semenchenko UNCLASSIFIED.

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TT 242

Scientific - Physics 15.372

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DSIR LDU M.1022
SLA 60-13225

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The Theory of XX the Kinetics of Two Consecutive Irreversible Reactions of the Second Order, by A. D. Stepukhovich, L. M. Timonin

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AEC Tr 1159

Scientific - Physics

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Tovbin, M. V. and Krasnova, S. L.
STABILITY OF SUPERSATURATED SALT SOLUTIONS
Bertha P. Klenova, tr. 12 Sep 62. 12p 4refs [TVA]-3994
Order from CTS, SLA, or ETC $1.60 TT-63-24284

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1951, v. 25 [no. 2] p. 161-169. (Abstract available)

DESCRIPTORS: *Salts, *Solutions, Stability, Temperature, Valence, Solvent action

The influence of various factors on the stability of supersaturated solutions of a number of salts was investigated. An investigation was made of the stability of supersaturated salt solutions as a function of temperature. A study was also made of the effect of the solvent on the stability of supersaturated salt solutions. The results obtained support the assumption that supersaturated solutions are ultramicroheterogeneous systems. (Author)

TT-63-24284

1. Title: Supersaturated solutions
I. Tovbin, M. V.
II. Krasnova, S. L.
III. TVA-3994
IV. Tennessee Valley Authority, Wilson Dam, Ala.

(Chemistry--Physical, TT, v. 11, no. 2)

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RUSSIAN per, Zhurnal Fizicheskoy Khimii, 1951, Vol 25, pp 203-211.

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On the Subject of Free Energy and Entropy Changes In Reactions of Complex-Formation, by K. B. Yatsimirskiy, 8 pp.

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SLA R 1670

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Concerning Certain Problems of the A. M. Butlerov Theory of Chemical Structure. II. The Chemical Structure of Hydrocarbons and the Relationship in the Energies of Formation, by V. M. Tatevskii.

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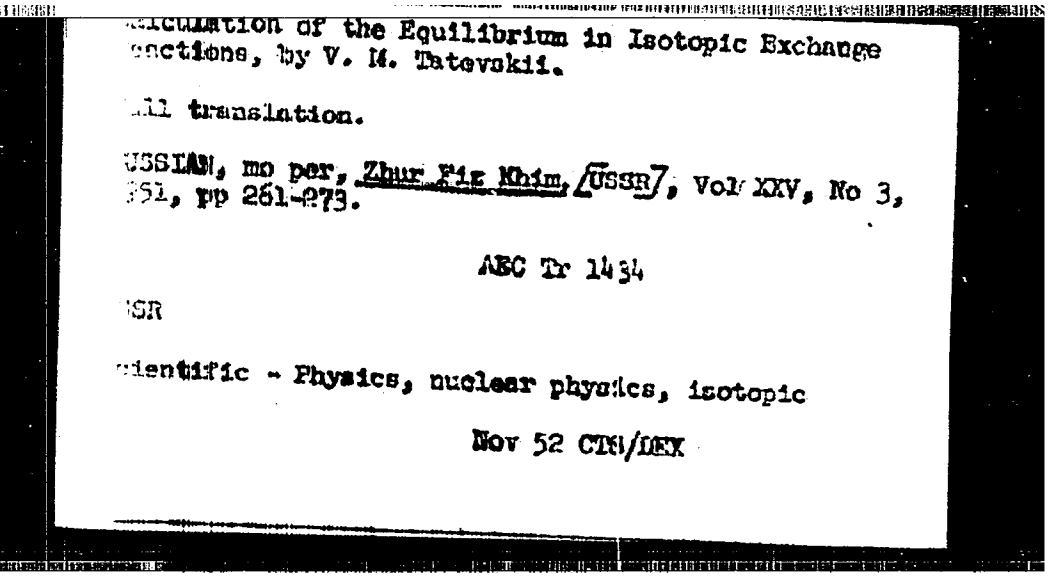

...lculation of the Equilibrium in Isotopic Exchange
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...ll translation.

USSR/..., no per, Zhur Fiz Khim, /USSR/, Vol XXV, No 3,
...51, pp 261-273.

AEC Tr 1434

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...ientific - Physics, nuclear physics, isotopic

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Application of Lemmas of Similarity to the Estimation of the Vibration Spectrum of Isotopic Molecules, by V. M. Tatevskiy. 18 pp.

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Feb 56

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Polarographic Maxima Due to the Action of an External Electric Field, by T. I. Popova, T. A. Kryukova.
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NLL Ref: 8732 (1290)

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Measurement of the Concentration of Oxygen Atoms in Flames by the Use of NO, by L. V. Karmilova, V. N. Kondrat'yev, 16 pp.

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Phase Transition of the Second Order and the Critical Phenomenon. III. The Specific Heat of Liquid Binary Mixtures in the Critical Region of Stratification, by V. K. Semenchenko, V. P. Skripov.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXV, 1951, pp 362 - 368.

AEC Tr 1095

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Determination of Single Electrode Potentials in Fused Aluminum Chloride-Sodium Chloride as Solvent, by Yu. K. Delimarskiy, L. S. Berenblyum, I. M. Belik , 13 pp.

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